PROJECT REPORT

JAVANESE SYLLABELS SEPERATOR WITH NUMBER SOUNDING USING FINITE STATE AUTOMATA

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14.K1.0006

Faculty of Computer Science
Soegijapranata Catholic University
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APPROVAL AND RATIFICATION PAGE

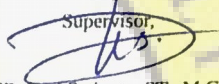## JAVANESE SYLLABELS SEPERATOR WITH NUMBER SOUNDING USING

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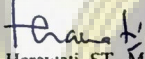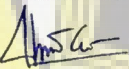
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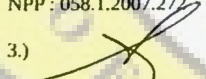**IGNATIUS YOHAN SATRYA – 14.K1.0006**

This project report has been approved and ratified

by the Faculty of Computer Science on January 22, 2018

With approval,

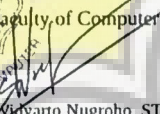Supervisor,

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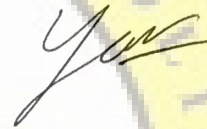
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STATEMENT OF ORIGINALITY

I, the undersigned:

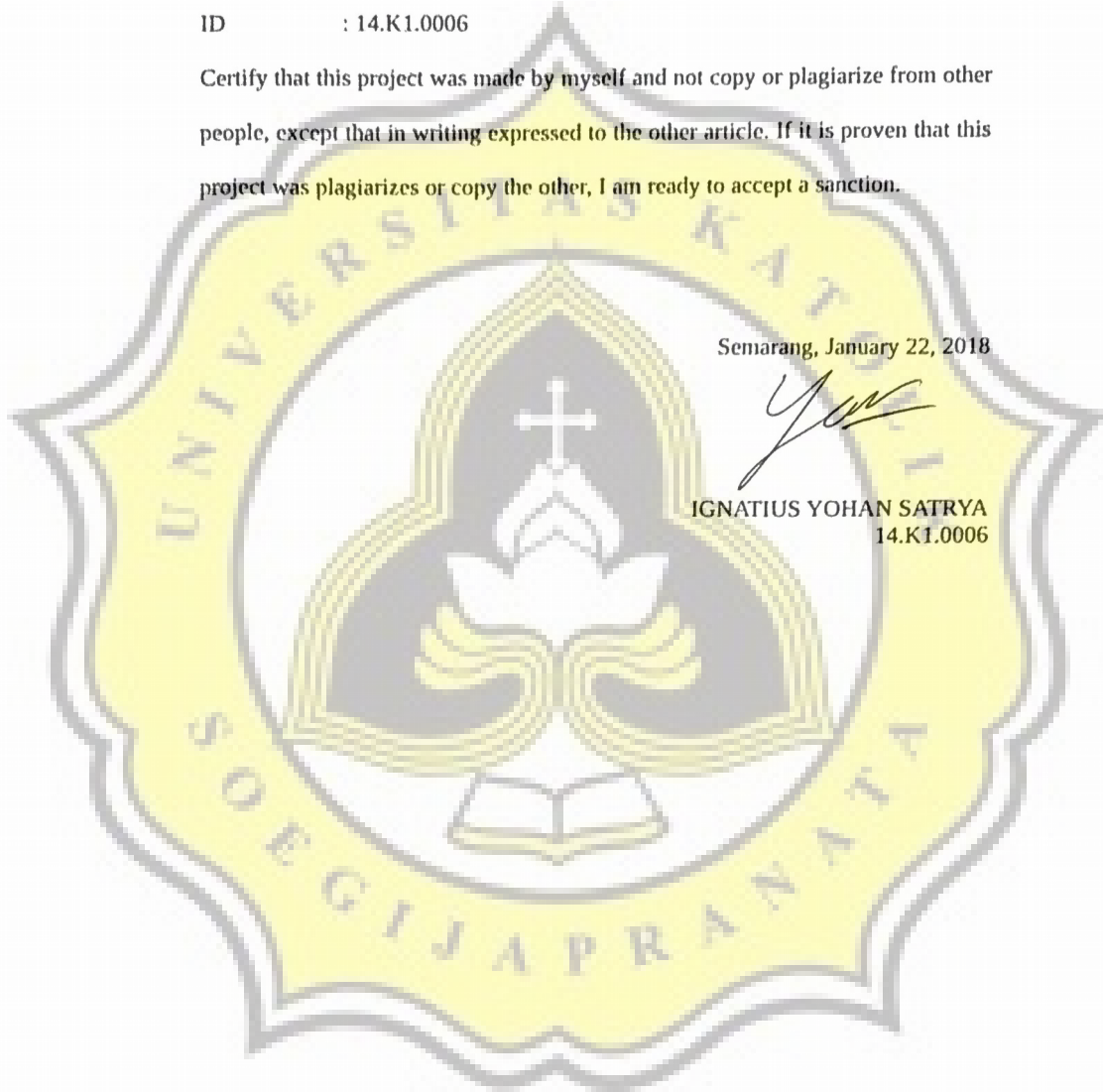Name   : IGNATIUS YOHAN SATRYA

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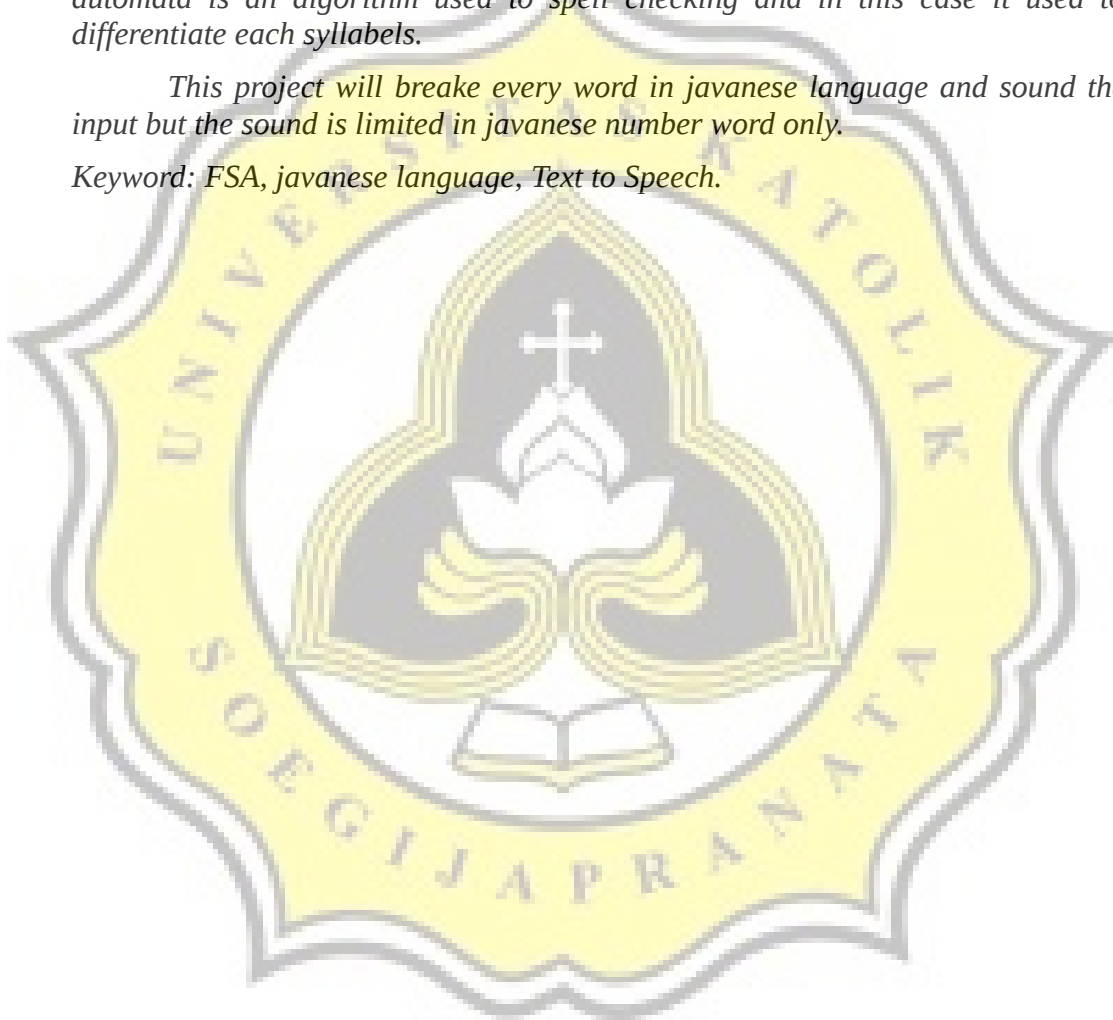IGNATIUS YOHAN SATRYA
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ABSTRACT

Javanese language is one of the most common language in Indonesia. Unfortunately many indonesian can not speak javanese language fluently. Other than that, many people in Indonesia still use javanese language but they are illiterate or letterless.

To help people learn javanese language easily, this project created. This project make a word seperator using finite state automata algorithm. Finite state automata is an algorithm used to spell checking and in this case it used to differentiate each syllabels.

This project will breake every word in javanese language and sound the input but the sound is limited in javanese number word only.

Keyword: FSA, javanese language, Text to Speech.

PREFACE

This project contain 6 chapter introduction, literature studies, research methodology, anaysis and design, implementation and testing, and conclution. Introduction is the background about Javanese language and Finite State Automata. Litterature studies is where the author find the rule of javanese language and how to implement finite state automata in text to speech system.

Research methodology is to explain how to make the text to speech system to solve the problem mentioned in chapter one. Analysis and design is to illustrate the plot how the Finite State Automata break each syllabels using rule of javanese language and to analyze the system runtime.

Implementation and testing is where the author implementing finite state automata in text to speech system as described in chapter four. And conclution is about finite state automata can be breaking syllabels algorithm to make text to speech system.
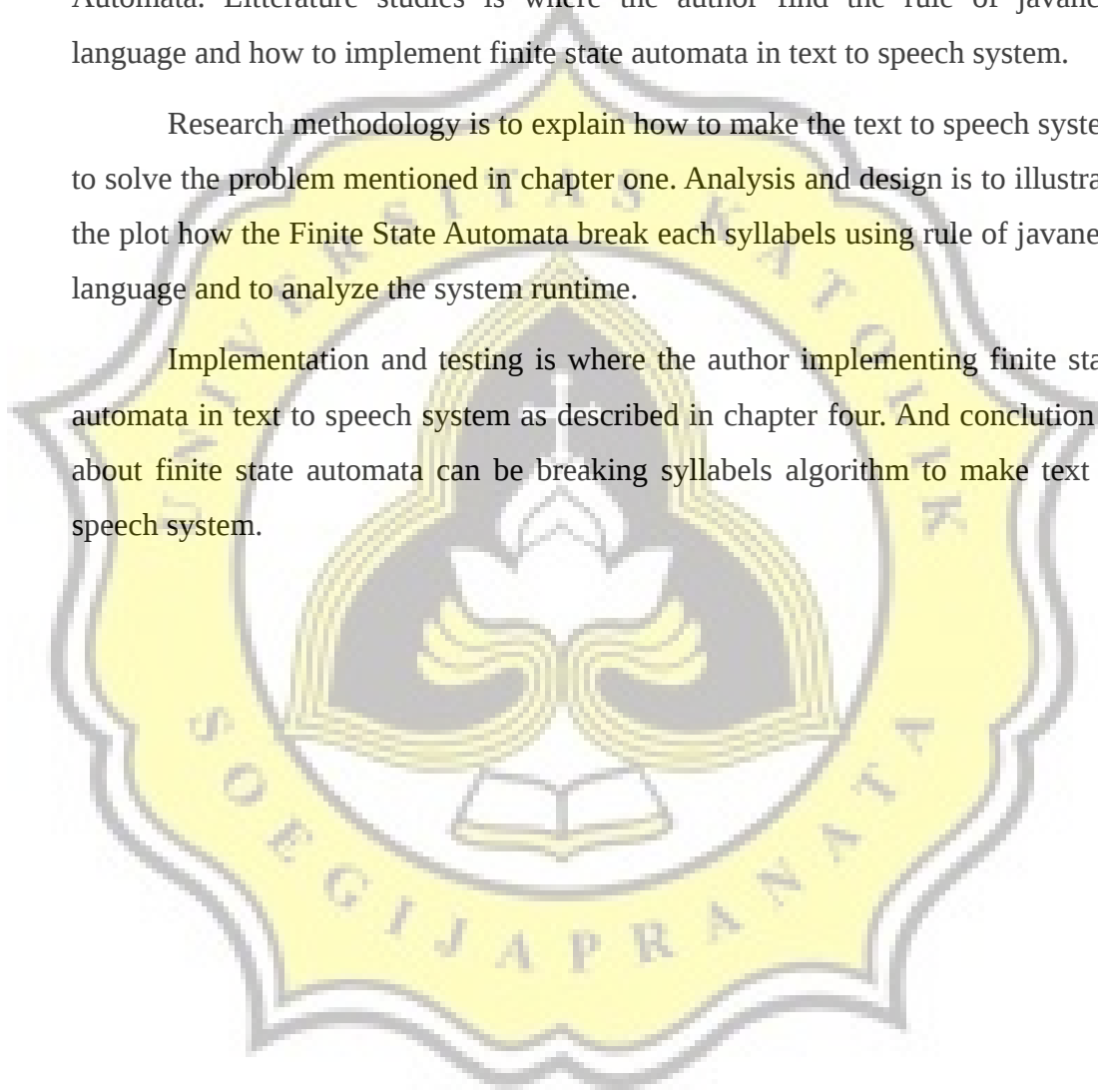
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